AMENDMENTS TO THE CLAIMS

Claims 1-13 (Cancelled).

14. (New) : A method for processing filter tap coefficients, comprising:

adapting high-energy filter tap coefficients and low-energy filter tap coefficients when a first predetermined condition occurs; and

separately adapting the high-energy filter tap coefficients from the low-energy filter tap coefficients when a second predetermined condition occurs.

15. (New) : The method of Claim 14, wherein separately adapting the high-energy filter tap coefficients from the low-energy filter tap coefficients comprises adapting the high-energy filter tap coefficients with a first gain constant and adapting the low-energy filter tap coefficients with a second gain constant.

16. (New) : The method of Claim 15, wherein the first gain constant is greater than the second gain constant.

17. (New) : The method of Claim 14, wherein the first predetermined condition is a non-linear echo path scenario.

18. (New) : The method of Claim 14, wherein the first predetermined condition is a data call scenario.

19. (New) : The method of Claim 14, wherein the first predetermined condition is a narrow bandwidth scenario.

20. (New) : The method of Claim 14, wherein the second predetermined condition is a linear echo path scenario.

21. (New) : A computer-readable medium, containing a set of instructions for execution by a processor, the instructions comprising:

adapting high-energy filter tap coefficients and low-energy filter tap coefficients when a first predetermined condition occurs; and

separately adapting the high-energy filter tap coefficients from the low-energy filter tap coefficients when a second predetermined condition occurs.

22. (New) : The computer-readable medium of Claim 21, wherein separately adapting the high-energy filter tap coefficients from the low-energy filter tap coefficients comprises adapting the high-energy filter tap coefficients with a first gain constant and adapting the low-energy filter tap coefficients with a second gain constant.

23. (New) : The computer-readable medium of Claim 22, wherein the first gain constant is greater than the second gain constant.

24. (New) : The computer-readable medium of Claim 21, wherein the first predetermined condition is a non-linear echo path scenario.

25. (New) : The computer-readable medium of Claim 21, wherein the first predetermined condition is a data call scenario.

26. (New) : The computer-readable medium of Claim 21, wherein the first predetermined condition is a narrow bandwidth scenario.

27. (New) : The method of Claim 21, wherein the second predetermined condition is a linear echo path scenario.

28. (New) : A method for searching for filter taps for adaptation, comprising:

searching for a first group of filter taps associated with a first energy level;

biasing a group of filter taps adjacent to the first group; and

searching for a second group of filter taps associated with a second energy level.

29. (New) : The method of Claim 28, wherein biasing comprises adjusting an energy level associated with the group of filter taps adjacent to the first group by an additive constant.

30. (New) : The method of Claim 28, wherein biasing comprises adjusting an energy level associated with the group of filter taps adjacent to the first group by a multiplicative constant.

31. (New) : The method of Claim 28, further comprising tagging the first group and the group of filter taps adjacent to the first group.

32. (New) : The method of Claim 31, wherein the second group is not previously tagged.

33. (New) : The method of Claim 28, wherein the first energy level is greater than the second energy level.